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10 30
 atgaaaaagctgataaccgcagacgacatcacagcgattgtctctgtg
 M K K L I T A D D I T A I V S V
 50 70 90
 accgatcctcaatacgcggcagacggtaccctgtgccgcatatgtaaaa
 T D P Q Y A P D G T R A A Y V K
 110 130
 tcacaagtaaatcaagagaaagattcgatatacatcaaatatatggatc
 S Q V N Q E K D S Y T S N I W I
 150 170 190
 tatgaaacgaaaacgggaggatctgttccttggacacatggagaaaaag
 Y E T K T G G S V P W T H G E K
 210 230
 cgaagcaccgaccgaagatggtctccggacggcgacgcttcctt
 R S T D P R W S P D G R T L A F
 250 270 2
 atttctgatcgagaaggcgatgcggcacagctttatcatgagcact
 I S D R E G D A A Q L Y I M S T
 90 310 330
 gaaggcggagaagcaagaaaaactgactgatatcccataatggcgtgtca
 E G G E A R K L T D I P Y G V S
 350 370
 aagccgctatggtccccggacggtaatcgattctggtcactatcagt
 K P L W S P D G E S I L V T I S
 390 410 430
 ttgggagagggggaaagcattgatgaccgagaaaaacagagcaggac
 L G E G E S I D D R E K T E Q D
 450 470
 agctatgaacctgtgaagtgcacggcctctcataaaacgggacggc
 S Y E P V E V Q G L S Y K R D G
 490 510 5
 aaagggctgacgagaggtgcgtatgcccagcttgcgttcagcgt
 K G L T R G A Y A Q L V L V S V
 30 550 570
 aagtccgggtgagatgaaagagactgacaagtacaaagctgatcatggt
 K S G E M K E L T S H K A D H G

FIG._1A-1

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

590 610
 gatcctgcttttctcctgacggcaaatggctgtttctcagctaat
 D P A F S P D G K W L V F S A N

630 650 670
 ttaactgaaacagatgatgccagcaagccgcatgatgtttacataatg
 L T E T D D A S K P H D V Y I M

FIG._1A-2

690 710
 tcactggagtctggagatcttaaggcaggttacacctcatcgccgctca
 S L E S G D L K Q V T P H R G S

730 750 7
 ttcggatcaagctcatttcaccagacggaaaggatcttgctttgctt
 F G S S S F S P D G R Y L A L L

70 790 810
 gaaaaatgaaaaggaatataagaatgctacgctctcaaaggcgtggctc
 G N E K E Y K N A T L S K A W L

830 850
 tatgatatcgaacaaggccgcctcacatgtcttactgagatgctggac
 Y D I E Q G R L T C L T E M L D

870 890 910
 gttcattttagcggtatgcgtgttggagattcattgatcggtgggtgct
 V H L A D A L I G D S L I G G A

930 950
 gaacagcgcccattggacaaaggacagccaagggtttatgtcatc
 E Q R P I W T K D S Q G F Y V I

970 990 10
 ggcacagatcaaggcagtacggcatctattatattcgattgaaggc
 G T D Q G S T G I Y Y I S I E G

10 1030 1050
 cttgtgtatccgattcgtctggaaaaagagtagatcaatagctttct
 L V Y P I R L E K E Y I N S F S

1070 1090
 cttcacctgatgaacagcacttattgccagtgtgacaaagccggac
 L S P D E Q H F I A S V T K P D

FIG._1B-1

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APPROVED	O. G. FIG.	CLASS	SUBCLASS
BY DRAFTHAN			

1110 1130 1150
 agaccgagttagctttacagtatcccgcttggacagggaaagaaaacag
 R P S E L Y S I P L G Q E E K Q

1170 1190
 ctgactggcgcaatgacaagttgtcagggaggcatacgatatacaata
 L T G A N D K F V R E H T I S I

1210 1230 12
 cctgaagagaggattcaaatatgctacagaagacggcgtgatggtaacggc
 P E E I Q Y A T E D G V M V N G

50 1270 1290
 tggctgatgaggcctgcacaaatggaaaggtagagacaacatataccactt
 W L M R P A Q M E G E T T Y P L

1310 1330
 attcttaacatacacacggcggtccgcatatgatgtacggacatacatat
 I L N I H G G P H M M Y G H T Y

1350 1370 1390
 tttcatgagtttcaggtgctggcgaaaggatacgcggtcgtttat
 F H E F Q V L A A K G Y A V V Y

FIG._1B-2

1410 1430
 atcaatccgagaggaaggccacggctacggcaggaattgtaatgcg
 I N P R G S H G Y G Q E F V N A

1450 1470 14
 gtcagaggagattatggggaaaggattatgacgatgtgatgcaggct
 V R G D Y G G K D Y D D V M Q A

90 1510 1530
 gtggatgaggctatcaaacgagatccgcatattgatcctaagcggctc
 V D E A I K R D P H I D P K R L

1550 1570
 ggtgtcacggcgaaagctacggaggtttatgaccaactggatcgctc
 G V T G G S Y G G F M T N W I V

1590 1610 1630
 gggcagacacaaccgctttaaagctgcccgttacccagcgctcgatata
 G Q T N R F K A A V T Q R S I S

FIG._1C-1

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APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
	DRAFTSMAN	

1650 1670
 aattggatcagcttacggcgtaagtatcggttattttaca
 N W I S F H G V S D I G Y F F T

 1690 1710 17
 gactggcagcttgaggcatgacatgttgaggacacagaaaagctctgg
 D W Q L E H D M F E D T E K L W

 30 1750 1770
 gaccggtctcccttaaaaatacgcagcaaacgtggagacaccgcttttg
 D R S P L K Y A A N V E T P L L

 1790 1810
 atactgcattggcgagcggatgaccgatgcccgtcgagcaggcggag
 I L H G E R D D R C P I E Q A E

 1830 1850 1870
 cagctgtttatcgctctgaaaaaaaaatgggcaaggaaaccaagcttgcc
 Q L F I A L K K M G K E T K L V

 1890 1910
 cgtttccgaatgcattcgacacaatttatcacgcacccggacacccaaaga
 R F P N A S H N L S R T G H P R

 1930 1950 1970
 cagcggatcaagcgccgtgaatttatcatggtttgcataacat
 Q R I K R L N Y I S S W F D Q H

FIG. - 1C-2

APPROVEE	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

170 180 190 200 210 220
 WRHSTEGSYFVYDKSSSSFEEIGNEVALAIWSPNSNDIAYVODN-NIYIYSAISKKTIRA
 ::|::: ::|::: ::|::: ::|::: ::|::: ::|:
 MKKLITADDITAIIVSVTDPQYAPDGTRAAYVKSQVNQEKSYSYTSNIWIYE
 10 20 30 40 50

 230 240 250 260 270 280
 VTNDGSSFLENGKPDWVYEEEVFEDDKAAWWSPTGDYLAFLKIDESEVGEFIIPIYYVQDE
 ::|::: ::|::: ::|::: ::|::: ::|::: ::|:
 TKTGGSV----P-WTHGEKRSTDPR---WSPDGRTLAFISDREGDAAQL---YIMSTE
 60 70 80 90

 290 300 310 320 330
 KDIYPEMRSIIRYPKSG---TPNPHAEELWVYSMMKDGTSFHPRISSGNKKDG---SLLITEVTW
 ::|::: ::|::: ::|::: ::|::: ::|::: ::|:
 GGEARKLTDIPIYGVSKPLWSPDGESILVTISLGEGESIDDR-EKTEQDSYEPVEVQGLSY
 100 110 120 130 140 150

 340 350 360 370 380 390
 VGNGNVVLVKTDRSSDILTVFLIDTIAKTSNVVRNE---SSNNGWWWITHNTLFI PAN
 ::|::: ::|::: ::|::: ::|::: ::|::: ::|:
 KRDGKGLTRGAYAQLVIVSVKSGEMKELTSHKAHDHGDPAERSPDGKWLVSAN---LTETD
 160 170 180 190 200 210

 400 410 420 430 440
 TFDPRHNGYDILPIGGYN---HLAYFENSNSS---HYKTLTEGKWEVVGPLA---F
 ::|::: ::|::: ::|::: ::|::: ::|::: ::|:
 DASKPHDVYIMSLSESGLKQVTPHRGSEFSSSPDGRLALLGNEKEYKNATLSKAWLY
 220 230 240 250 260 270

 450 460 470 480 490 499
 DSMENRLYFISTRKSSTERHVVYID-LRSPNELLIEVTDTSEDGVYDVSFSSGRRFGL--L
 ::|::: ::|::: ::|::: ::|::: ::|::: ::|:
 DIEQGRLLTCITEMLDVLADALIGDSLIGGAEQRPIWTKDSQGFYVIGTDQGST-GIYI
 280 290 300 310 320 330

FIG._2A

APPROVED	G. G. F. G.
BY	CLASS SUBCLASS
DRAFTMAN	

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dap2_yeast	560	NLGRKDEFGKD-----	570	-ILVNSYEILPNDDETLSDHYPVFFFAYGGPNSQ	580	590	600
	:	:: : ::	:	:: :: :::	:	:::	:
		TGANDKFVREHTISIPEEIQYATEDGVMVNGWLMRPAQMEGETT--YPLILNIHGGPH-M					
YUXL	390	400	410	420	430	440	

dap2_yeast	QVVRKTFSGNEVVASQLNAIVVVVDDGRGTGFKGQDFRSVLVRDRILGDYEARDQISAAAS-L	610	620	630	640	650	660
YUXI	MYGHTYFHEF-QVLAAKGYA-VVYINPRGSHGYGQEFTNAVVRGDYGGKDYDDVVMQAVDEA	450	460	470	480	490	500

	dap2_yeast	YUXL	Asp
670	YGSLLTFDPQKISLIEGWSYGGYLTLKTLEKDGGRHEKFYKGMSVAPVTDWRFYDVSVYTERYM		720
510	: ::::: :: : : : : : : : : :		710
520	IKRDPHIDPKRLGVTTGGSYGGFMTNWIVGQTN--RFKAATQRSISNWISEHGVSDIGYF	540	550

dap2_yeast /30 /40 /50 /60 /70 /80 /90 /100 /110 /120 /130 /140 /150 /160 /170 /180 /190 /200 /210 /220 /230 /240 /250 /260 /270 /280 /290 /300 /310 /320 /330 /340 /350 /360 /370 /380 /390 /400 /410 /420 /430 /440 /450 /460 /470 /480 /490 /500 /510 /520 /530 /540 /550 /560 /570 /580 /590 /600 /610

dap2_yeast	780	790	800	810
YUXL	VENYDVHVFPDSDHSIRYHNNANVIVFDKLLDWAKRAFDGQFVK	- : : : : :	KETKLVR-FPNASHNLSSRTGHRQRRIKRLNYISSWFQDQL	620
	630	640	650	

FIG. 2B

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380	390	400	410	420	430	439
yux1.bsupep	QEEKQLTGANDKFVREHTISIPEEIQYATEDGVMVNGWLMPAQMEGETTYPLILNIHGG	50				
YTMA	MIVEKRRFPSPSQHVRLYTICYLNSNGLRLVKGLLAEPAE-PGQ--YDGFYLYLRGG	10	20	30	40	
440	450	460	470	480	490	
yux1.bsupep	PHMMYGHYFHEFQVLAAGYAVVYINPRGSHG-YGQEFVNNAVRGDDYGGKDYDDVMQAVD					
YTMA	IKSV-GMVRPGRIIQQFASQGFVVFAFPFYRGNGEGE-----DFAGEDREDAFSAF-	60	70	80	90	100
500	510	520	530	540	550	
yux1.bsupep	EAIKRDPHIDPKRLGVTGGSYGGFMTNWIWVGQTNRFKAAVTQRSISNWISFHGVSDIGYF					
YTMA	RLLQQHPNVKKDRIHIFGFSRGGIM-----GMLTAIEMGGQAAASFVSW---GGVSDMILT	110	120	130	140	150
560	570	580	590	600		
yux1.bsupep	FTDWQLEHDMFEDT-----EKLWDRSPLKYYAANVETPLILHGERDDRCPIEQAE					
YTMA	YEERQDLRMMKRVIGGTPKKVPEEYQW-RTPPFDQVNKIQAPVLLIHINGERKDQNVSIQHSY	160	170	180	190	200
610	620	630	640	650		
yux1.bsupep	QLFIIALKKMKGKETKLVRFPNASHNLSRTGHPRQRIKRNLNVISSWFDQHL					
YTMA	LLEEKLKQLHKPVETWYYSTFTHYFP---PKENRRIVRQLTQWMKNR	220	230	240	250	His

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APPENDIX	O. G. FIG.
BY	CLASS
DRAFTSPER	SUBCLASS

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yux1.bsupep	410 PEEIQQATEDGVMVNGWLMRPAQMEGETTYPLILNIHGGPHMMYGHFTFHEFOVLAAKGY	420	430	440	450	460
YITV	MIQIENOTVSGIPFLHIVKEENRHRRAVPLVIFIHGFTSAKE-HN-LHIAYILLAEKGF	10	20	30	40	50
yux1.bsupep	AVVYINPRGSHGQEFVNNAVRGDXGGKDDVMOAVDEA-----IKRDPHIDPKRLGV	470	480	490	500	510
YITV	RAVL--PEALH-HGERGEEMAVEELAGHFWDIVLNEIEIGVWKHNHEKEGLIDGGRIGL	60	70	80	90	100
yux1.bsupep	TGGSYGGFMTNWIVGQTNRFKAAVTORSISNWISFHGVSDIGYFFTDWOLEHDMFED-TE	520	530	540	550	560
YITV	AGTSMGGITTLGALTAYDWIKAGVSLMGSPNNYELFQ-QQIDHI-QSQGIEIDVPEEKVQ	120	130	140	150	170
yux1.bsupep	KLWDRSPLKYAANV-----ETPLLILHGERDDRCPIEQAEQLFIALKKMGKET----KLV	580	590	600	610	620
YITV	QLMKRLELRDLSLQPEKLQQRPLFWHGAKDKVVPYAPTRKFYDTIKSHYSEQPERLQFI	180	190	200	210	230
yux1.bsupep	RFPNASHNLSRTGHPRORIKRLNYISSWFDQHL	630	640	650		
YITV	GDENADHKV----PRAAV--LKTIE-WFETYL	240	250			

FIG. 4

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APPROVED	O. G. FIG.
BY	CLASS
DRAFTER	SUBCLASS

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390 400 410 420 430 440
 yux1.bsupep TGANDKEVREHTISIPEEIQYATEDGVMVNGWLMRPAQMEGETTYPLILNIHGGP-HMMY
 YQKD 40 50 60 70 80 90

450 460 470 480 490 500
 yux1.bsupep GHTYFHEFQVLAAKGYAVVYINPRGSHRGYQEFVNNAVRGDDYGGKDYDDVMQAVDEAIKRD
 :|:| |:|:| |:|:| |:|:| |:|:|
 SILKYMHLFLDL---GWNVLIYDHR-RHGQS---GGKRTTSYGFYEKDDLNKVVSSLKKNKT
 YQKD 100 110 120 130 140 150

510 520 530 540 550 559
 yux1.bsupep PHIDPKRLGVTGGSYGGEMTNWIVGQ----TNRFKAAVTORSISNWISFHGVSDIGYFF
 |:|:| |:|:| |:|:| |:|:| |:|
 NHRG--LIGIHINGESMGAVTALLYAGAHCSGDGADFYIADCPFACDFEQLAYRLRAE--YRL
 YQKD 150 160 170 180 190 200

560 570 580 590 600 610
 yux1.bsupep TDWQLEH--DMFEDTE---KLWDRSPLRYAANVETPLLILHGERDDRCPIEQAEQLFIAL
 |:|:| |:|:| |:|:| |:|:| |:|:|
 PSWPLLPIADFFKLRGYRAREVSPLAVIDKIEKPVLFHSDKDDYIPVSSTERLY--E
 YQKD 210 220 230 240 250 260

620 630 640 650
 yux1.bsupep KKGKGKETKLVRFPNASHNLSRTGHPRQRKIKRNYISSWFDQHL
 |:|:| |:|:| |:|
 YQKD 270 280 290 300

KRRGPKALYIA-ENGEHAMSYTKNRHTYRKTVQEFLDNMNDSTE
 300

His **FIG. 5**

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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

330 340 350 360 370 379
yux1.bsupep GTDQGSTGIYYISIEGLVYPIRLEKEYINSFSLSLSPDE-QHFIASVTKPDRPSELYSIPLG
 CAH
 10 20 30

380 390 400 410 420 430
yux1.bsupep QEEKQLTGANDKFVREHTISIP-EEIQYATEDGVMVNGWLMPAQMGEGETTYPLILNIHG
 CAH
 40 50 60 70 80 90

440 450 460 470 480
yux1.bsupep GPHMMYGHHTYFQVLAAGKGYAV-----VYINPRGSHGYGQEFTVNAVRGD-
 CAH
 100 110 120 130 140

490 500 510 520 530 540
yux1.bsupep --YGGKDYDDVMQAVDEAIKRDPHIDPKRLGVTTGGSYGGFMTNWIVGQTNRFKAAVTQRS
 CAH
 150 160 170 180↑Ser 190 200

550 560 570 580 590
yux1.bsupep -ISNWISFHGV-----DIGYFFTIDWQLEHDMFEDTEKLWDRSPLKYAANVETPLLILH
 CAH
 210 220 230 240 250 260

600 610 620 630 640 650
yux1.bsupep GERDDRCPIEQAEQLFIALKKM--GKETKLVRFPNASHNLNSRTGHPRQRRIKRLNYISSWF
 CAH
 270 280 290 300 310
 ↑Asp ↑His

FIG.-6

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APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

10 30
 ttgattgttagagaaaagaagattccgtcgccaagccagcatgtgcgt
 L I V E K R R F P S P S Q H V R

 50 70 90
 ttgtatacgatctgctatctgtcaaatggattacgggtaaggggctt
 L Y T I C Y L S N G L R V K G L

 110 130
 ctggctgagccggcggaaccgggacaatatgacggattttatattt
 L A E P A E P G Q Y D G F L Y L

 150 170 190
 cgcggcgggattaaaagcgtgggcatggttcggccggccggattatc
 R G G I K S V G M V R P G R I I

 210 230
 cagtttgcattccaaagggtttgtggtgtttgctcctttacagaggc
 Q F A S Q G F V V F A P F Y R G

 250 270 2
 aatcaaggaggagaaggcaatgaggatttgcggagaagacaggag
 N Q G G E G N E D F A G E D R E

 90 310 330
 gatgcattttctgctttcgctgcttcagcagcacccaaatgtcaag
 D A F S A F R L L Q Q H P N V K

 350 370
 aaggatagaatccatatcttcggttttcccgccggcgaattatggga
 K D R I H I F G F S R G G I M G

 390 410 430
 atgctcaactgcgatcgaaatggcgccggcaggcagcttcattgtttcc
 M L T A I E M G G Q A A S F V S

 450 470
 tggggaggcgtcagtgatatgattcttacatacgaggagcggcaggat
 W G G V S D M I L T Y E E R Q D

 490 510 5
 ttgcggcgaatgatgaaaagagtcatcgccggaaacaccgaaaaagggt
 L R R M M K R V I G G T P K K V

 30 550 570
 cctgaggaatatcaatggaggacaccgtttgaccaagtaaacaaaatt
 P E E Y Q W R T P F D Q V N K I

FIG._7A

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APPROVED	O.C. FIG.
CLASS	SUBCLASS
BY	
DRAFTSMAN	

590 610
 caggctcccgctgttaatccatggagaaaaagacaaaaatgttcg
 Q A P V L L I H G E K D Q N V S

 630 650 670
 attcagcattcctatttatttagaagagaagctaaaacaactgcataag
 I Q H S Y L L E E K L K Q L H K

 690 710
 ccgtggaaacatggtaactacagtacattcacacattttccggca
 P V E T W Y Y S T F T H Y F P P

 730 750 7
 aaagaaaaaccggcgtatcgtgcggcagctcacacaatggatgaaaaac
 K E N R R I V R Q L T Q W M K N

 70
 cgc
 R

FIG._7B

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APPROVED:	O.G.-FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

10 30
 gtgatacaaattgagaatcaaaccgttccggattccgtttacat
 V I Q I E N Q T V S G I P F L H

 50 70 90
 attgtaaaggaagagaacaggcaccgcgttccctctcgatctt
 I V K E E N R H R A V P L V I F

 110 130
 atacatggtttacaagcgcaaggaacacaacattcatattgcttat
 I H G F T S A K E H N L H I A Y

 150 170 190
 ctgcttgcggagaagggttttagagccgttctgccggaggcttgcac
 L L A E K G F R A V L P E A L H

 210 230
 catggggAACGGGGAGAGAAATGGCTGTTGAAGAGACTGGCGGGGcat
 H G E R G E E M A V E E L A G H

 250 270 2
 ttttggatatcgccctcaacgagattgaagagatcgccgtacttaaa
 F W D I V L N E I E E I G V L K

 90 310 330
 aaccattttgaaaaagagggcctgatagacggcggccgatcggtctc
 N H F E K E G L I D G G R I G L

 350 370
 gcaggcacgtcaatggcggcatcacaacgcttggcgcttgactgca
 A G T S M G G I T T L G A L T A

 390 410 430
 tatgattggataaaagccggcgtcagcctgatggaaagcccaattac
 Y D W I K A G V S L M G S P N Y

 450 470
 gtggagctgtttcagcagcattgaccatattcaatctcagggcatt
 V E L F Q Q Q I D H I Q S Q G I

 490 510 5
 gaaaatcgatgtgccggaagagaaggtaacagcagctgatgaaaacgtctc
 E I D V P E E K V Q Q L M K R L

 30 550 570
 gagttgcggatctcagcctcagccggagaaactgcaacagcgcccg
 E L R D L S L Q P E K L Q Q R P

FIG.-8A

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APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

590 610
 cttttatttggcacggcgcaaaagataaagtgtgccttacgcgccc
 L L F W H G A K D K V V P Y A P

630 650 670
 acccgaaaattttatgacacgattaaatcccattacagcgagcagccg
 T R K F Y D T I K S H Y S E Q P

690 710
 gaacgcctgcaatttatcggagatgaaaacgctgaccataaagtcccg
 E R L Q F I G D E N A D H K V P

730 750
 cgggcagctgtgttaaaaacgattgaatggttgaaacgtactta
 R A A V L K T I E W F E T Y L

FIG.-8B

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APPROVED	O. G. FIG.
BY	CLASS
	SUBCLASS
	DRAFTSMAN

10 30
 ttgaagaaaatcctttggccattggcgcgctcgtaacagctgtcatc
 L K K I L L A I G A L V T A V I

 50 70 90
 gcaatcggattgttttccacatcatgattctattcatcaagaaaaaa
 A I G I V F S H M I L F I K K K

 110 130
 acggatgaagacattatcaaaagagagacagacaacggacatgatgtg
 T D E D I I K R E T D N G H D V

 150 170 190
 tttgaatcatttgaacaaatggagaaaaccgctttgtataccctcc
 F E S F E Q M E K T A F V I P S

 210 230
 gcttacgggtacgacataaaaggataccatgtcgaccgcacaca
 A Y G Y D I K G Y H V A P H D T

 250 270 2
 ccaaataccatcatcatctgccacgggtgacgatgaatgtactgaat
 P N T I I C H G V T M N V L N

 90 310 330
 tctcttaagtatgcattattctagatctcggtggaaatgtgctc
 S L K Y M H L F L D L G W N V L

 350 370
 atttatgaccatcgccggatggccaaagcggcgaaagacgaccagc
 I Y D H R R H G Q S G G K T T S

 390 410 430
 tacgggtttacgaaaaggatgatctcaataagggtgtcagcttgctc
 Y G F Y E K D D L N K V V S L L

 450 470
 aaaaaacaaaacaaatcatcgccgattgatcgaaattcatggtgagtcg
 K N K T N H R G L I G I H G E S

 490 510 5
 atggggggccgtgaccgcctgcttatgctggcgcacactgcagcgat
 M G A V T A L L Y A G A H C S D

 30 550 570
 ggcgctgattttatattgccgattgtccgttcgcattttgatgaa
 G A D F Y I A D C P F A C F D E

FIG._9A

APPROVED	U.G. FIG.	CLASS	SUBCLASS
BY			
DRAFTSMAN			

590 610
 cagcttgcctatcggtgagagcgaaatacaggctccgtcttggccc
 Q L A Y R L R A E Y R L P S W P

630 650 670
 ctgcttcctatcgccgacttctttgaagctgagggggaggctatcg
 L L P I A D F F L K L R G G Y R

690 710
 gcacgtgaagtatctccgcttgctgtcattgataaaattgaaaagccg
 A R E V S P L A V I D K I E K P

730 750 7
 gtcctcttattcacagtaaggatgatgactacattcctgtttcttca
 V L F I H S K D D D Y I P V S S

70 790 810
 accgagcggctttatgaaaagaaacgcggtccgaaagcgctgtacatt
 T E R L Y E K K R G P K A L Y I

830 850
 gccgagaacggtaaacacgcacatgtcatataccaaaaatcgccatacg
 A E N G E H A M S Y T K N R H T

870 890 910
 taccgaaaaaacagtgcaggagtttttagacaacatgaatgattcaaca
 Y R K T V Q E F L D N M N D S T

gaa
 E

FIG._9B